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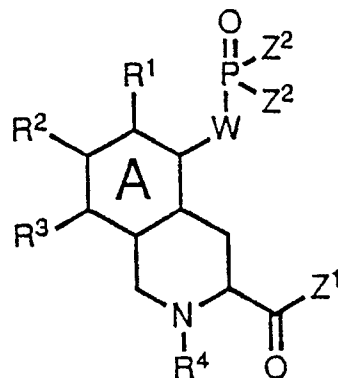
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03.04.91 Bulletin 91/14(71) Applicant: **G.D. Searle & Co.
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W-6230 Frankfurt am Main 80(DE)**(54) **Phosphono-hydroisoquinoline compounds useful in reducing neurotoxic injury.**

(57) A class of phosphono-hydroisoquinoline compounds is described for treatment to reduce neurotoxic injury associated with anoxia or ischemia which typically follows stroke, cardiac arrest or perinatal asphyxia. The treatment includes administration of a phosphono-hydroisoquinoline compound alone or in a composition in an amount effective as an antagonist to inhibit excitotoxic actions at major neuronal excitatory amino acid receptor sites. Compounds of most interest are those of Formula I:



(I)

wherein each of R¹ through R⁴ is hydrido, wherein each of Z¹ and Z² is hydroxyl, wherein W is a single bond connecting the phosphorus atom with the aromatic ring and wherein the A ring is aromatic. Also disclosed are two classes of intermediate compounds having a fully unsaturated A ring, which intermediate compounds are useful in methods to make product compounds of Formula I.

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PARTIAL EUROPEAN SEARCH REPORT
which under Rule 45 of the European Patent Convention
shall be considered, for the purposes of subsequent
proceedings, as the European search report

Application number

EP 89 11 9378

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.4)
D, A	EP-A-0 203 891 (CIBA-GEIGY AG) * Complete document *	1-19, 34-73	C 07 F 9/62 A 61 K 31/675 C 07 F 9/40 C 07 F 9/44
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A	EP-A-0 275 820 (CIBA-GEIGY AG) * Complete document *	1-19, 34-73	

			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
			C 07 F 9/00 A 61 K 31/00
INCOMPLETE SEARCH			
<p>The Search Division considers that the present European patent application does not comply with the provisions of the European Patent Convention to such an extent that it is not possible to carry out a meaningful search into the state of the art on the basis of some of the claims.</p> <p>Claims searched completely: 1-19, 26, 33-73, 80, 81 Claims searched incompletely: Claims not searched: 20-25, 27-32, 74-79, 82-84 Reason for the limitation of the search:</p> <p>No definition of X is given neither in the claims, nor in the description. Only some values of X are given in page 8 (in association with values for Y in formulas 4, 5 of scheme I page 7) which are not sufficient for making a search possible.</p>			
Place of search THE HAGUE		Date of completion of the search 14-01-1991	Examiner BESLIER
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	